

Queensland Regulated Ship Census, June 2019

About this publication

This publication presents the results of a census taken of Queensland regulated ships that were registered on 30 June 2019. Queensland regulated ships are recreational vessels or other vessels expressly excluded from the operation of the *Marine Safety (Domestic Commercial Vessels) National Law Act 2012 (Cth)* or the *Navigation Act 2012 (Cth)*.

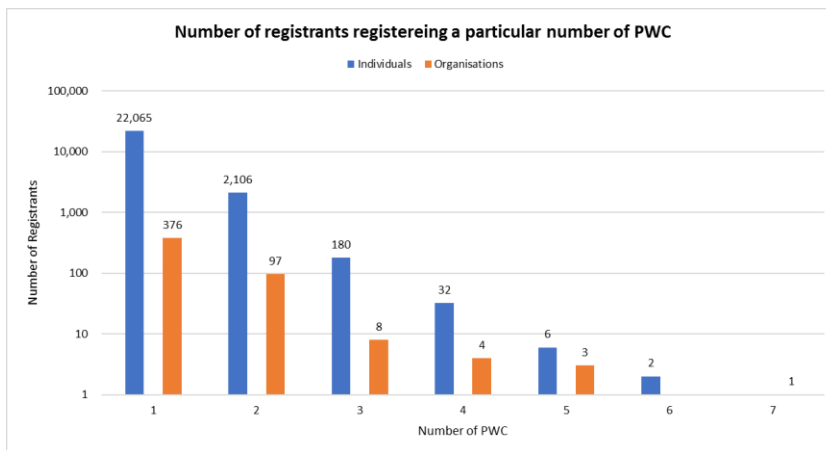
The data presented in this publication was extracted from the Department of Transport and Main Roads TRAILS Registration System (the register) on 22 July 2019. The terms ship and vessel are generally interchangeable. In the context of this document, a ship is further classified as either a 'boat' or a "personal water craft (PWC)" in accordance with the data on the register.

Tables of statistics are included which give selected details of the ships. These include the maritime region in which the ships were registered, the length of the ship, the ship types, the engine output, the year of manufacture, the method of storage and the age, gender and licence status of those who have registered the ships.

For purposes of comparison, data is also provided as at 30 June for the years 2014 and 2018.

The calculation of the growth rates and decommissioning rates mentioned in this report have been made using the formulae described in the Australian Bureau of Statistics 9309.0 - Motor Vehicle Census, Australia using data presented in the attached tables and previous editions of this report.

Key Points

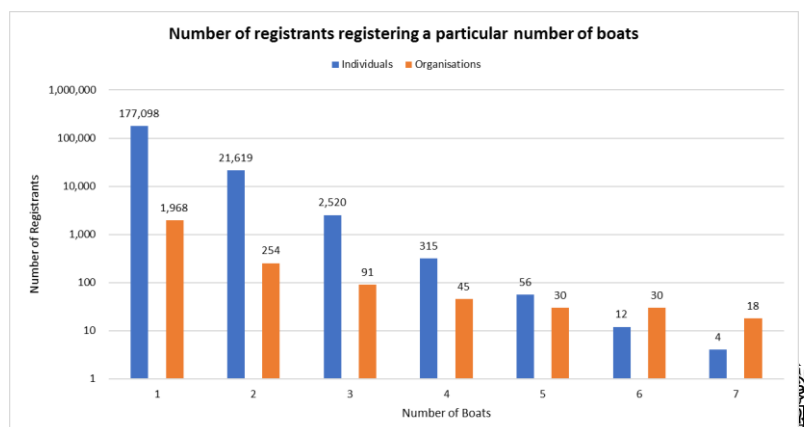


At 30 June 2019 there were 261,291 Regulated Ships (boats and personal water craft) listed on the register by 223,655 different registrants (individuals or organisations). This equates to approximately one registered Regulated Ship for every 19 people in Queensland.

There were 233,456 boats registered by 204,102 registrants. Most registrants (87%) had registered a single boat while

another 10.7% of registrants had registered two boats. The remaining 1.5% of registrants had registered a total of 4.5% of all registered boats (10,644). While most boats (229,572) were registered by individuals, 3884 boats were registered by 2474 organisations.

There were also 27,835 PWC registered to 24,889 registrants. Most registrants (80.0%) had registered a single PWC while another 8.8% of registrants had registered two PWC. The remaining 1% of registrants had registered a total of 3.5% of all registered PWC (988). While the majority of PWC (27,008) were



registered by individuals, 827 PWC were registered by 496 organisations.

It is of interest to note that 5366 registrants had registered at least one boat and at least one PWC. In total, these registrants registered 6921 boats and 6436 PWC. The majority (68%) registered a single boat and a single PWC.

During the twelve months ending 30 June 2019, 16,924 boat registrations were added to the register, 16,946 were removed from the register, while 19,260 were transferred from one registrant to another. Based on these figures Queensland's flotilla of registered boats has a decommissioning rate of approximately 6.7% per annum.

Year	New Registrations	Discontinued Registrations	Transferred Registrations	Total
	No.	No.	No.	No.
Boat				
2014	19394	16172	19772	229839
2018	16796	16756	19448	233478
2019	16924	16946	19260	233456
PWC				
2014	3473	1854	2540	20392
2018	3768	2316	3159	26354
2019	3982	2501	3219	27835

Over this same period 3982 PWC registrations were added to the register, 2501 were removed from the register while 3219 were transferred from one registrant to another. Based on these figures Queensland's flotilla of registered PWC has a decommissioning rate of approximately eight per cent per annum.

Together these transactions resulted in the number of boats and PWC on the register not increasing for boats and increasing by 5.63% for over the past year and by an annual average rate of 0.31% and 6% over the past five years

respectively.

Vessels

The most popular type of boat is the open runabout, which accounts for 58% (152,137) of the boat flotilla. Almost all boats (93% or 142906) are trailered, rather than moored or otherwise accommodated.

Fifty per cent of open runabouts are no longer than four metres, have engines producing no more than 22 kilowatts and were manufactured no more than 15 years ago. The median age of the registrant of these boats was 55 years. Six per cent (10,099) of open runabouts fall within all four of these limits.

Seventy three per cent of boats are no more than five metres in length. This percentage increases to 97% for boats which are no more than 10 metres in length.

The engine output figures need to be interpreted with some caution as they are likely to indicate the power of the motor fitted to a boat at the time it was first registered. Sixty-six per cent of boats are fitted with an engine producing no more than 50 kilowatts while 92% of boats are fitted with engines producing no more than 150 kilowatts.

Estimating the age of the flotilla presents some difficulty as 18% of boats were registered without the year of manufacture being recorded.

Nevertheless, the extant records indicate that 24% of boats were manufactured before 1996, 54% were manufactured between 1996 and 2010, leaving 23% that were manufactured within the last nine years. The average age of a boat is 17.5 years and the median age is 15 years.

In contrast only 0.5% of PWC's have been registered without the year of manufacture being recorded.

Fiftyseven per cent of PWC's were manufactured after 2010 while two per cent of PWC were manufactured before 2006. The average age of a PWC is nine years and the median age is seven years.

Over the longer term the average age of boats has been increasing by six to eight months per year, while the average age of PWC has been increasing by four months per year.

Registrants

Baby Boomers (people born between 1947 and 1966) registered 42% of the boats and 28% of the PWC on the register. Generation X/Y (people born between 1967 and 1986) registered 37% of the boats and 50% of the PWC.

The average ages of those registering a boat or a PWC were 54 years and 46 years respectively.

Males registered 91% of the boats and 86% of the PWC on the register.

Twelve per cent of boats have been registered by an individual who does not hold a Recreational Marine Driver Licence (RMDL). Forty-seven per cent of registrants obtained their RMDL no later than the year 2000 while 53% obtained their RMDL between 2001 and 2019.

Eleven per cent of PWC have been registered by a registrant who does not hold a Personal Water Craft Licence (PWCL). Fifteen per cent were issued a PWCL in 2005, the first year in which PWCL were issued, while 80% were issued a PWCL between 2006 and 2018.

Figure 1: Selected attributes of open runabouts

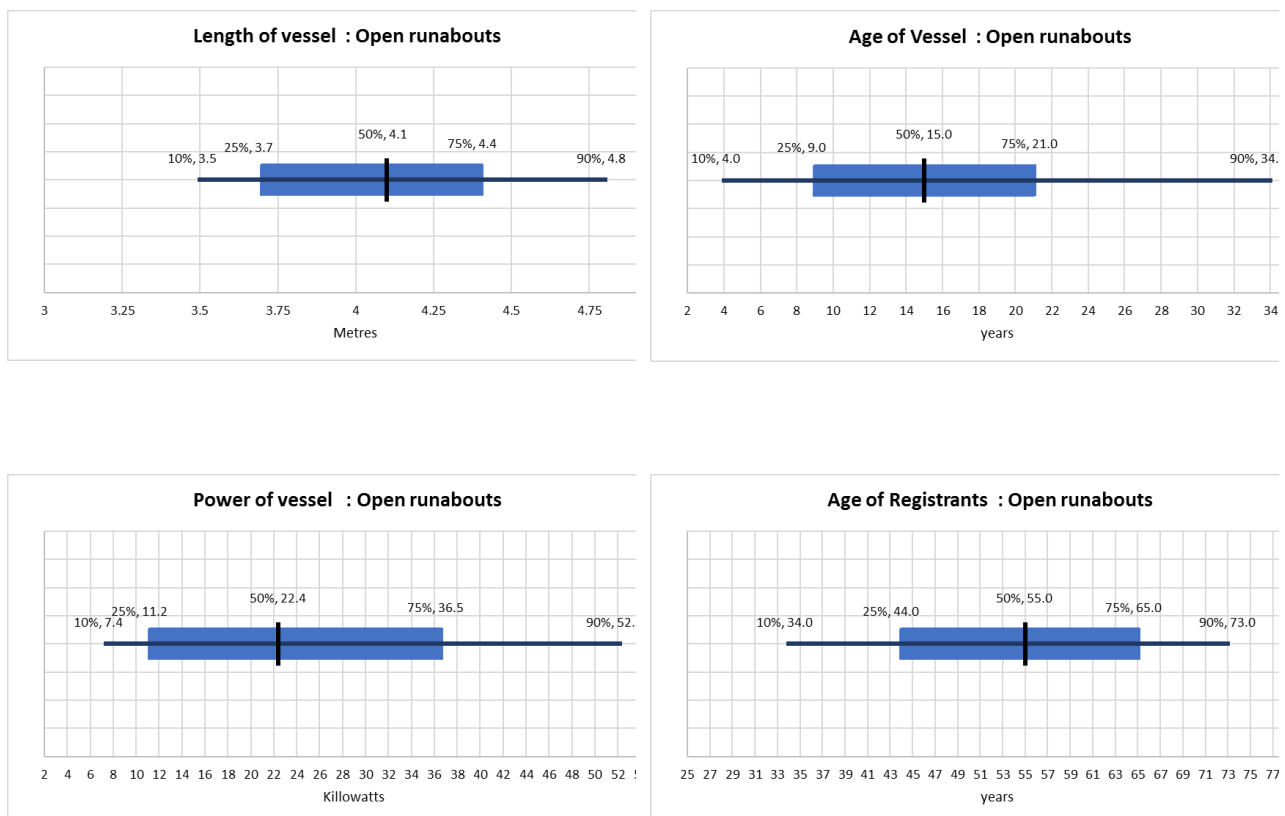


Table 1: Number of Queensland regulated ships by cabin type (selected particulars)

<i>Vessel Type</i>	Full Cabin Cruiser	Half Cabin Cruiser	Quarter Cabin Cruiser	Bow Rider	Centre Console	Sport/Ski Boat	Open Runabout	PWC/Jet-Ski	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.
Maritime Region									
Brisbane	9777	12601	4819	7018	8586	4485	78483	22644	148413
Gladstone	2088	4160	1401	936	3595	1214	32731	2358	48483
Mackay	999	1831	574	408	1470	498	12934	941	19655
Townsville	890	1918	620	465	2840	448	14725	904	22810
Cairns	1088	2031	818	571	2534	621	13239	978	21880
Ex QLD	3	5		2	4	1	25	10	50
Vessel Length									
0.01m to 3.00m	5	12	9	10	36	58	3099	4725	7954
3.01m to 5.00m	75	4900	1856	1964	10932	2036	139826	23091	184680
5.01m to 7.50m	2546	15895	6027	7189	7661	5035	8914	17	53284
7.51m to 10.00m	4816	1485	302	218	287	92	251	1	7452
10.01m to 15.00m	6356	236	37	16	105	41	43		6834
15.01m and greater	1047	18	1	3	8	5	4	1	1087
Engine Type									
Inboard	10471	2408	569	3474	432	4476	2858	27122	51810
Outboard	4370	20138	7663	5926	18596	2776	149277	713	209459
Other	4				1	15	2		22
Carriage of Sails									
Without Sails	9422	22040	8150	9376	18887	7267	151681	27834	254657
With Sails	5423	506	82	24	142		456	1	6634
Storage Method									
Trailer	3771	20901	7834	8607	18119	7013	142906	26906	236057
Moored	9860	1269	316	645	693	183	2752	655	16373
Other	1169	335	74	130	179	47	6106	203	8243
Not Recorded	45	41	8	18	38	24	373	71	618
Year of Manufacture									
Prior to 1996	5469	6639	1883	495	2597	2667	26493	555	46798
1996 to 2000	1291	1565	901	622	2023	853	14467	1602	23324
2001 to 2005	2279	2951	1967	3291	3954	1266	26146	2961	44815
2006 to 2010	2062	3034	1855	3103	4278	1358	23528	6618	45836
2011 to 2015	860	1437	976	1195	3474	721	19568	8629	36860
2016 to 2018	400	939	613	634	2470	374	8439	6627	20496
2019	49	62	37	60	233	28	661	717	1847
Not Recorded	2435	5919					32835	126	41315
Total	14845	22546	8232	9400	19029	7267	152137	27835	261291

Table 2: Number of Queensland regulated ships by cabin type (selected particulars)

<i>Vessel Type</i>	Full Cabin Cruiser	Half Cabin Cruiser	Quarter Cabin Cruiser	Bow Rider	Centre Console	Sport/Ski Boat	Open Runabout	PWC/Jet-Ski	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.
Gender of Registrant									
Female	1531	1797	561	941	1145	772	12162	3484	22393
Male	11999	19996	7414	8091	17025	6196	134440	22902	228063
Individual	756	493	154	212	402	130	3355	622	6124
Organisation	559	260	103	156	457	169	2180	827	4711
Generation of Registrant									
Oldest Generation 1891–1926	5	21	2	0	5	0	139	0	172
Lucky Generation 1927–1946	1859	1785	420	338	953	151	14789	311	20606
Baby Boom 1947–1966	8135	9764	3384	3424	7457	2079	65622	7679	107544
Generation X & Y 1967–1986	3259	8932	3676	4820	7956	3958	53931	13871	100403
I Generation 1987–2006	272	1291	493	450	1799	780	12117	4525	21727
Not Recorded	756	493	154	212	402	130	3359	622	6128
Organisation	559	260	103	156	457	169	2180	827	4711
Year of Issue Recreational Marine Drivers Licence									
No Licence Issued	2611	2320	734	838	1837	665	18743	2427	30175
Not Recorded	37	38	15	8	36	7	352	21	514
1962 to 1980	1476	1948	483	308	1318	288	14224	454	20499
1981 to 2000	4578	8062	2882	2575	6845	2537	54045	5962	87486
2001 to 2018	6045	9949	4041	5546	8829	3693	63478	18225	119806
2019	98	229	77	125	164	77	1295	746	2811
Year of Issue Personal Water Craft Licence									
No Licence Issued	12193	18755	6718	6456	16029	4845	132634	3047	200677
2005	961	995	395	678	802	728	5654	3788	14001
2006 to 2015	1214	1983	807	1532	1605	1238	9733	12089	30201
2016 to 2018	419	710	272	651	526	406	3573	7652	14209
2019	58	103	40	83	67	50	543	1259	2203
Total	14845	22546	8232	9400	19029	7267	152137	27835	261291

Table 3: Number of Queensland regulated ships by maritime region (selected particulars)

Maritime Region	Brisbane	Gladstone	Mackay	Townsville	Cairns	Ex QLD	Total
	no.	no.	no.	no.	no.	no.	no.
Vessel Type							
Full Cabin Cruiser	9777	2088	999	890	1088	3	14845
Half Cabin Cruiser	12601	4160	1831	1918	2031	5	22546
Quarter Cabin Cruiser	4819	1401	574	620	818		8232
Bow Rider	7018	936	408	465	571	2	9400
Centre Console	8586	3595	1470	2840	2534	4	19029
Sport/Ski Boat	4485	1214	498	448	621	1	7267
Open Runabout	78483	32731	12934	14725	13239	25	152137
PWC/Jet-Ski	22644	2358	941	904	978	10	27835
Vessel Length							
0.00m to 3.00m	5979	1088	327	278	278	4	7954
3.01m to 5.00m	102638	36645	14101	16686	14578	32	184680
5.01m to 7.50m	29584	8781	4142	4872	5894	11	53284
7.51m to 10.00m	4811	1027	529	524	560	1	7452
10.01m to 15.00m	4595	875	460	400	502	2	6834
15.01m and greater	806	67	96	50	68		1087
Engine Type							
Inboard	38591	5584	2529	2194	2895	17	51810
Outboard	109811	42896	17125	20615	18979	33	209459
Other	11	3	1	1	6		22
Carriage of Sails							
Without Sails	144275	47488	19187	22380	21278	49	254657
With Sails	4138	995	468	430	602	1	6634
Storage Method							
Trailer	129841	45676	18530	21727	20241	42	236057
Moored	12821	1379	751	628	792	2	16373
Other	5381	1322	338	405	793	4	8243
Not Recorded	370	106	36	50	54	2	618
Year of Manufacture							
Prior to 1996	26282	9491	3157	3855	4010	3	46798
1996 to 2000	12671	4412	1685	2280	2273	3	23324
2001 to 2005	24545	8564	3666	3960	4072	8	44815
2006 to 2010	26324	8165	3412	4042	3883	10	45836
2011 to 2015	22778	5848	2791	2846	2590	7	36860
2016 to 2018	13991	2853	1222	1256	1172	2	20496
2019	1298	267	93	104	85		1847
Not Recorded	20524	8883	3629	4467	3795	17	41315
Total	148413	48483	19655	22810	21880	50	261291

Table 4: Number of Queensland regulated ships by maritime region (selected particulars)

Maritime Region	Brisbane no.	Gladstone no.	Mackay no.	Townsville no.	Cairns no.	Ex QLD no.	Total no.
Gender of Registrant							
Female	13069	4150	1598	1815	1761		22393
Male	128585	42828	17305	20180	19153	12	228063
Individual	3377	1002	518	551	639	37	6124
Organisation	3382	503	234	264	327	1	4711
Generation of Registrant							
Oldest Generation 1891–1926	102	30	6	22	12		172
Lucky Generation 1927–1946	11390	4759	1244	1699	1512	2	20606
Baby Boom 1947–1966	59410	22189	7571	9353	9015	6	107544
Generation X & Y 1967–1986	58735	16242	8105	8741	8576	4	100403
I Generation 1987–2006	12016	3758	1977	2178	1798		21727
Not Recorded	3378	1002	518	553	640	37	6128
Organisation	3382	503	234	264	327	1	4711
Year of Issue Recreational Marine Drivers Licence							
Organisation	3382	503	234	264	327	1	4711
No Licence Issued	14052	4901	2039	2137	2298	37	25464
Not Recorded	264	101	42	54	53		514
1962 to 1980	9556	4893	1809	2566	1673	2	20499
1981 to 2000	45271	17676	7200	8848	8486	5	87486
2001 to 2018	73947	19987	8214	8785	8868	5	119806
2019	1941	422	117	156	175		2811
Year of Issue Personal Water Craft Licence							
Organisation	3382	503	234	264	327	1	4711
2005	10029	1830	787	686	668	1	14001
2006 to 2015	22559	3474	1169	1467	1530	2	30201
2016 to 2018	11168	1479	515	504	542	1	14209
2019	1665	284	86	93	75		2203
No Licence Issued	99610	40913	16864	19796	18738	45	195966
Total	148413	48483	19655	22810	21880	50	261291

Table 5: Number of Queensland regulated ships by vessel length (selected particulars)

Vessel Length	<= 3	3.01 to 5	5.1 to 7.5	7.51 to 10	10.01 to 15	>15	Total
	no.	no.	no.	no.	no.	no.	no.
Vessel Type							
Full Cabin Cruiser	5	75	2546	4816	6356	1047	14845
Half Cabin Cruiser	12	4900	15895	1485	236	18	22546
Quarter Cabin Cruiser	9	1856	6027	302	37	1	8232
Bow Rider	10	1964	7189	218	16	3	9400
Centre Console	36	10932	7661	287	105	8	19029
Sport/Ski Boat	58	2036	5035	92	41	5	7267
Open Runabout	3099	139826	8914	251	43	4	152137
PWC	4725	23091	17	1		1	27835
Maritime Region							
Brisbane	5979	102638	29584	4811	4595	806	148413
Gladstone	1088	36645	8781	1027	875	67	48483
Mackay	327	14101	4142	529	460	96	19655
Townsville	278	16686	4872	524	400	50	22810
Cairns	278	14578	5894	560	502	68	21880
Ex QLD	4	32	11	1	2		50
Engine Type							
Inboard	4690	25235	10584	4306	5947	1048	51810
Outboard	3264	159444	42683	3143	886	39	209459
Other		1	17	3	1	0	22
Carriage of Sails							
Without Sails	7935	184241	52162	5607	3847	865	254657
With Sails	19	439	1122	1845	2987	222	6634
Storage Method							
Trailer	6780	175779	50372	2750	337	39	236057
Moored	318	2905	2222	3982	5939	1007	16373
Other	818	5558	587	701	542	37	8243
Not Recorded	38	438	103	19	16	4	618
Year of Manufacture							
Prior to 1996	1460	30855	9220	2397	2569	297	46798
1996 to 2000	1425	16157	4352	615	700	75	23324
2001 to 2005	1261	30626	10394	1264	1114	156	44815
2006 to 2010	887	31260	11265	1213	955	256	45836
2011 to 2015	1293	28438	6124	465	378	162	36860
2016 to 2018	1076	15050	3784	359	156	71	20496
2019	72	1399	305	42	22	7	1847
Not Recorded	480	30895	7840	1097	940	63	41315
Total	7954	184680	53284	7452	6834	1087	261291

Table 6: Number of Queensland regulated ships by vessel length (selected particulars)

Vessel Length	<= 3	3.01 to 5	5.1 to 7.5	7.51 to 10	10.01 to 15	>15	Total
	no.	no.	no.	no.	no.	no.	no.
Gender of Registrant							
Female	949	15558	4267	712	807	100	22393
Male	6564	162240	46974	6271	5337	677	228063
Individual	257	3951	1134	245	420	117	6124
Organisation	184	2931	909	224	270	193	4711
Generation of Registrant							
Oldest Generation 1891–1926	4	138	24	4	1	1	172
Lucky Generation 1927–1946	433	15506	2905	753	888	121	20606
Baby Boom 1947–1966	2591	75568	21124	3840	3923	498	107544
Generation X & Y 1967–1986	3267	69842	23695	2198	1248	153	100403
I Generation 1987–2006	1218	16740	3493	188	84	4	21727
Not Recorded	257	3955	1134	245	420	117	6128
Organisation	184	2931	909	224	270	193	4711
Year of Issue Recreational Marine Drivers Licence							
No Licence Issued	1161	21251	5015	1070	1296	382	30175
Not Recorded	5	377	98	16	16	2	514
1962 to 1980	330	15018	3722	637	688	104	20499
1981 to 2000	2174	61049	19398	2536	2029	300	87486
2001 to 2018	4119	84870	24618	3140	2764	295	119806
2019	165	2115	433	53	41	4	2811
Year of Issue Personal Water Craft License							
No Licence Issued	3257	143107	42065	5848	5609	791	200677
2005	1153	8643	3142	475	452	136	14001
2006 to 2015	2077	20830	5824	787	558	125	30201
2016 to 2018	1239	10452	1997	299	193	29	14209
2019	228	1648	256	43	22	6	2203
Total	7954	184680	53284	7452	6834	1087	261291

Table 7: Number of Queensland regulated ships by maritime region (selected years)

	Brisbane	Gladstone	Mackay	Townsville	Cairns	Ex QLD	Total
	no.	no.	no.	no.	no.	no.	no.
Full Cabin Cruiser							
2014	9979	2300	1065	892	1068	12	15316
2018	9878	2123	982	897	1091	6	14977
2019	9777	2088	999	890	1088	3	14845
Half Cabin Cruiser							
2014	13227	4344	1812	2014	1970	7	23374
2018	12728	4138	1823	1926	2034	5	22654
2019	12601	4160	1831	1918	2031	5	22546
Quarter Cabin Cruiser							
2014	4139	1317	538	567	722	1	7284
2018	4707	1404	572	611	807	1	8102
2019	4819	1401	574	620	818		8232
Bow Rider							
2014	6240	902	396	473	511		8522
2018	6835	919	402	464	559		9179
2019	7018	936	408	465	571	2	9400
Centre Console							
2014	6569	2775	1251	2390	1975	2	14962
2018	8211	3380	1409	2739	2418	3	18160
2019	8586	3595	1470	2840	2534	4	19029
Sport/Ski Boat							
2014	4330	1168	503	493	616	2	7112
2018	4502	1195	478	456	610	1	7242
2019	4485	1214	498	448	621	1	7267
Open Runabout							
2014	78058	32540	13130	15792	13711	36	153267
2018	79065	32841	12942	14898	13388	30	153164
2019	78483	32731	12934	14725	13239	25	152137
Boats							
2014	122542	45346	18695	22621	20573	60	229837
2018	125926	46000	18608	21991	20907	46	233478
2019	125769	46125	18714	21906	20902	40	233456
PWC							
2014	15850	1970	825	890	855	4	20394
2018	21393	2180	916	883	980	2	26354
2019	22644	2358	941	904	978	10	27835
Total							
2014	138392	47316	19520	23511	21428	64	250231
2018	147319	48180	19524	22874	21887	48	259832
2019	148413	48483	19655	22810	21880	50	261291

Table 8: Number of Queensland regulated boat registrations by main engine power (selected years)

Engine Power*				Per Cent Change	Per Cent Change²	Average Annual Growth
Kilowatts	Jun-14	Jun-18	Jun-19	14/19	18/19	14/19
0 to 5.00	9126	8670	8519	-6.7	-1.7	-1.4
5.01 to 10.00	14673	13008	12558	-14.4	-3.5	-3.1
10.01 to 25.00	77883	77948	77135	-1.0	-1.0	-0.2
25.01 to 50.00	52324	55061	55505	6.1	0.8	1.2
50.01 to 100.00	37174	38826	39393	6.0	1.5	1.2
100.01 to 150.00	20169	21190	21554	6.9	1.7	1.3
150.01 to 300.00	14116	14528	14570	3.2	0.3	0.6
300.01 to 500.00	944	1017	1057	12.0	3.9	2.3
500.01 and greater	301	313	315	4.7	0.6	0.9
Not Recorded	3127	2917	2850			
Total	229837	233478	233456	1.57	-0.01	0.31

*Excludes PWC

Table 9: Number of regulated boat registrations by vessel length (selected years)

* Vessel Length				Per Cent Change	Per Cent Change²	Average Annual Growth
Metres	Jun-14	Jun-18	Jun-19	14/19	18/19	14/19
0.01m to 3.00m	3723	3340	3229	-13.27	-3.32	-2.81
3.01m to 5.00m	160748	162310	161589	0.52	-0.44	0.10
5.01m to 7.5m	50006	52462	53267	6.52	1.53	1.27
7.51m to 10.00m	7402	7445	7451	0.66	0.08	0.13
10.01m to 15.00m	6873	6810	6834	-0.57	0.35	-0.11
15.01m to 20.00m	921	930	909	-1.30	-2.26	-0.26
20.01m to 25.00m	121	137	133	9.92	-2.92	1.91
25.1m and greater	43	44	44	2.33	0.00	0.46
Total	229837	233478	233456	1.57	-0.01	0.31

*Excludes PWC

Table 10: Number of Queensland regulated ship registrations by cabin type (selected years)

<i>Vessels Type</i>				Percent	Percent	Average
	Jun-14	Jun-18	Jun-19	Change	Change ²	Annual
				14/19	18/19	Growth
				14/19	18/19	14/19
Full Cabin Cruiser	15316	14977	14845	-3.08	-0.88	-0.62
Half Cabin Cruiser	23374	22654	22546	-3.54	-0.48	-0.72
Quarter Cabin Cruiser	7284	8102	8232	13.01	1.60	2.48
Bow Rider	8522	9179	9400	10.30	2.41	1.98
Centre Console	14962	18160	19029	27.18	4.79	4.93
Sport/Ski Boat	7112	7242	7267	2.18	0.35	0.43
Open Runabout	153267	153164	152137	-0.74	-0.67	-0.15
Boats	229837	233478	233456	1.57	-0.01	0.31
PWC	20394	26354	27835	36.49	5.62	6.42
Total	250231	259832	261291	4.42	0.56	0.87

Table 11: Number of Queensland regulated ship registrations by maritime regions (selected years)

<i>Maritime Region</i>				Percent	Percent	Average
	Jun-14	Jun-18	Jun-19	Change	Change ²	Annual
				14/19	18/19	Growth
				14/19	18/19	14/19
Brisbane	138392	147319	148413	7.24	0.74	1.41
Gladstone	47316	48180	48483	2.47	0.63	0.49
Mackay	19520	19524	19655	0.69	0.67	0.14
Townsville	23511	22874	22810	-2.98	-0.28	-0.60
Cairns	21428	21887	21880	2.11	-0.03	0.42
Ex QLD	64	48	50			
Total	250231	259832	261291	4.42	0.56	0.87

Disclaimer

The data sources used in the compilation of this report are subject to an ongoing process of data validation and consequently the numbers and calculations presented are subject to revision.

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